

**WEST****Freeform Search****Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Term:**

L2 and apoptosis

**Display:**  **Documents in Display Format:**  **Starting with Number** **Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Cases

**Search History****DATE:** Thursday, August 08, 2002 [Printable Copy](#) [Create Case](#)**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT,PGPB; PLUR=YES; OP=AND*L3 L2 and apoptosis5 L3L2 e4orf49 L2L1 e4orf4 near8 (induc\$ or promot\$ or stimula\$) near6 apoptosis0 L1

END OF SEARCH HISTORY

[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 5 of 5 returned.**

- 
- ☐ 1. [20020081736](#). 01 Nov 01. 27 Jun 02. Nucleic acid delivery. Conroy, Susan E., et al. 435/455; 514/44 514/53 514/58 A61K048/00 C12N015/87 A61K031/715.
- 
- ☐ 2. [20020042139](#). 31 May 01. 11 Apr 02. Methods and compositions for efficient gene transfer using transcomplementary vectors. Higginbotham, James N., et al. 435/457; C12N015/861.
- 
- ☐ 3. [6420345](#). 09 Dec 99; 16 Jul 02. Methods and reagents for inhibiting angiogenesis. Patel; Salil, et al. 514/44; 424/93.1 424/93.21 435/320.1 435/440 435/455 435/475 435/476 536/23.1. A61K048/00 A61K035/00 A61K035/70 C12N015/00 C12N015/63 C12N015/86 C07H021/02 C07H021/04.
- 
- ☐ 4. [6413943](#). 09 Dec 99; 02 Jul 02. Methods and reagents for inhibiting proliferation of smooth muscle cells. McArthur; James, et al. 514/44; 424/93.1 424/93.21 435/320.1 435/325 435/352 435/366 536/23.1 536/23.4. A61K048/00 A61K035/00 C12N015/63 C12N015/85 C07H021/04.
- 
- ☐ 5. [5994134](#). 04 May 98; 30 Nov 99. Viral production process. Giroux; Daniel D., et al. 435/403; 435/174 435/177 435/235.1 435/239 435/289.1 435/325 435/366 435/369 435/395 435/41 435/948. C12N007/01.
- 

[Generate Collection](#)[Print](#)

Terms	Documents
L2 and apoptosis	5

[Previous Page](#)[Next Page](#)

=> d his

(FILE 'HOME' ENTERED AT 11:24:56 ON 08 AUG 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 11:33:05 ON 08 AUG 2002

L1 94 S E4ORF4  
L2 259334 S APOPTOSIS  
L3 70 S L1 AND L2  
L4 55 S E4ORF4 (8A) (INDUC? OR PROMOT? OR STIMULAT?) (6A) APOPTOSIS  
L5 17 DUP REM L4 (38 DUPLICATES REMOVED)

=> d au ti so 1-17 15

L5 ANSWER 1 OF 17 MEDLINE  
AU Robert Amelie; Miron Marie-Joelle; Champagne Claudia; Gingras Marie-Claude; Branton Philip E; Lavoie Josee N  
TI Distinct cell death pathways triggered by the adenovirus early region 4 ORF 4 protein.  
SO JOURNAL OF CELL BIOLOGY, (2002 Aug 5) 158 (3) 519-28.  
Journal code: 0375356. ISSN: 0021-9525.

L5 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2002 ACS  
IN Branton, Philip E.; Marcellus, Richard C.; Shore, Gordon C.; Roopchand, Diana E.; Lee, Joseph M.; Shahinian, S. Serge; Bussey, A. Howard  
TI E4orf4 and PP2A polypeptides, modulators, and mimetics for selectively inducing cell death  
SO PCT Int. Appl., 81 pp.  
CODEN: PIXXD2

L5 ANSWER 3 OF 17 MEDLINE DUPLICATE 1  
AU Branton P E; Roopchand D E  
TI The role of adenovirus E4orf4 protein in viral replication and cell killing.  
SO ONCOGENE, (2001 Nov 26) 20 (54) 7855-65. Ref: 99  
Journal code: 8711562. ISSN: 0950-9232.

L5 ANSWER 4 OF 17 MEDLINE DUPLICATE 2  
AU Roopchand D E; Lee J M; Shahinian S; Paquette D; Bussey H; Branton P E  
TI Toxicity of human adenovirus E4orf4 protein in Saccharomyces cerevisiae results from interactions with the Cdc55 regulatory B subunit of PP2A.  
SO ONCOGENE, (2001 Aug 30) 20 (38) 5279-90.  
Journal code: 8711562. ISSN: 0950-9232.

L5 ANSWER 5 OF 17 MEDLINE DUPLICATE 3  
AU Afifi R; Sharf R; Shtrichman R; Kleinberger T  
TI Selection of apoptosis-deficient adenovirus E4orf4 mutants in Saccharomyces cerevisiae.  
SO JOURNAL OF VIROLOGY, (2001 May) 75 (9) 4444-7.  
Journal code: 0113724. ISSN: 0022-538X.

L5 ANSWER 6 OF 17 MEDLINE DUPLICATE 4  
AU Livne A; Shtrichman R; Kleinberger T  
TI Caspase activation by adenovirus e4orf4 protein is cell line specific and Is mediated by the death receptor pathway.  
SO JOURNAL OF VIROLOGY, (2001 Jan) 75 (2) 789-98.  
Journal code: 0113724. ISSN: 0022-538X.

L5 ANSWER 7 OF 17 MEDLINE DUPLICATE 5

AU Kornitzer D; Sharf R; Kleinberger T  
 TI Adenovirus E4orf4 protein induces PP2A-dependent growth arrest in  
 Saccharomyces cerevisiae and interacts with the anaphase-promoting  
 complex/cyclosome.  
 SO JOURNAL OF CELL BIOLOGY, (2001 Jul 23) 154 (2) 331-44.  
 Journal code: 0375356. ISSN: 0021-9525.

L5 ANSWER 8 OF 17 MEDLINE DUPLICATE 6  
 AU Marcellus R C; Chan H; Paquette D; Thirlwell S; Boivin D; Branton P E  
 TI Induction of p53-independent apoptosis by the  
 adenovirus E4orf4 protein requires binding to the Balpha subunit  
 of protein phosphatase 2A.  
 SO JOURNAL OF VIROLOGY, (2000 Sep) 74 (17) 7869-77.  
 Journal code: 0113724. ISSN: 0022-538X.

L5 ANSWER 9 OF 17 MEDLINE DUPLICATE 7  
 AU Shtrichman R; Sharf R; Kleinberger T  
 TI Adenovirus E4orf4 protein interacts with both Balpha and B' subunits of  
 protein phosphatase 2A, but E4orf4-induced  
 apoptosis is mediated only by the interaction with Balpha.  
 SO ONCOGENE, (2000 Aug 3) 19 (33) 3757-65.  
 Journal code: 8711562. ISSN: 0950-9232.

L5 ANSWER 10 OF 17 MEDLINE DUPLICATE 8  
 AU Lavoie J N; Champagne C; Gingras M C; Robert A  
 TI Adenovirus E4 open reading frame 4-induced apoptosis involves  
 dysregulation of Src family kinases.  
 SO JOURNAL OF CELL BIOLOGY, (2000 Sep 4) 150 (5) 1037-56.  
 Journal code: 0375356. ISSN: 0021-9525.

L5 ANSWER 11 OF 17 MEDLINE DUPLICATE 9  
 AU Kleinberger T  
 TI Induction of apoptosis by adenovirus E4orf4  
 protein.  
 SO APOPTOSIS, (2000 Jun) 5 (3) 211-5. Ref: 37  
 Journal code: 9712129. ISSN: 1360-8185.

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2002 ACS  
 AU Szala, Stanislaw  
 TI Specific induction of apoptosis in cancer cells  
 SO Nowotwory (2000), 50(2), 111-121  
 CODEN: NOWOAL; ISSN: 0029-540X

L5 ANSWER 13 OF 17 MEDLINE DUPLICATE 10  
 AU Shtrichman R; Sharf R; Barr H; Dobner T; Kleinberger T  
 TI Induction of apoptosis by adenovirus E4orf4  
 protein is specific to transformed cells and requires an interaction with  
 protein phosphatase 2A.  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
 AMERICA, (1999 Aug 31) 96 (18) 10080-5.  
 Journal code: 7505876. ISSN: 0027-8424.

L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2002 ACS  
 IN Branton, Philip E.; Shore, Gordon C.; Teodoro, Jose G.; Marcellus,  
 Richard  
 C.; Lavoie, Josee N.  
 TI Use of adenovirus E4 death proteins to induce p53-independent apoptosis  
 SO PCT Int. Appl., 88 pp.  
 CODEN: PIXXD2

L5 ANSWER 15 OF 17 MEDLINE DUPLICATE 11  
 AU Marcellus R C; Lavoie J N; Boivin D; Shore G C; Ketner G; Branton P E  
 TI The early region 4 orf4 protein of human adenovirus type 5 induces  
 p53-independent cell death by apoptosis.  
 SO JOURNAL OF VIROLOGY, (1998 Sep) 72 (9) 7144-53.  
 Journal code: 0113724. ISSN: 0022-538X.

L5 ANSWER 16 OF 17 MEDLINE DUPLICATE 12  
 AU Shtrichman R; Kleinberger T  
 TI Adenovirus type 5 E4 open reading frame 4 protein induces apoptosis in  
 transformed cells.  
 SO JOURNAL OF VIROLOGY, (1998 Apr) 72 (4) 2975-82.  
 Journal code: 0113724. ISSN: 0022-538X.

L5 ANSWER 17 OF 17 MEDLINE DUPLICATE 13  
 AU Lavoie J N; Nguyen M; Marcellus R C; Branton P E; Shore G C  
 TI **E4orf4**, a novel adenovirus death factor that **induces**  
 p53-independent **apoptosis** by a pathway that is not inhibited by  
 zVAD-fmk.  
 SO JOURNAL OF CELL BIOLOGY, (1998 Feb 9) 140 (3) 637-45.  
 Journal code: 0375356. ISSN: 0021-9525.

=>

Generate Collection

Print

**Search Results - Record(s) 1 through 20 of 21 returned.**

- ☐ 1. 20020106382. 13 Jul 01. 08 Aug 02. Modified adenovirus and uses thereof. Young, Charles S.H., et al. 424/233.1; 424/199.1 424/93.2 435/5 435/91.33 C12Q001/70 C12P019/34 A61K048/00 A01N063/00 A61K039/12 A61K039/23 A61K039/235.
- ☐ 2. 20020081721. 12 Dec 97. 27 Jun 02. AAV SPLIT-PACKAGING GENES AND CELL LINES COMPRISING SUCH GENES FOR USE IN THE PRODUCTION OF RECOMBINANT AAV VECTORS. ALLEN, JAMES M., et al. 435/325; C12N005/00 C12N005/02.
- ☐ 3. 20020068272. 24 May 01. 06 Jun 02. Methods using genetic package display for detecting and identifying protein-protein interactions that facilitate internalization and transgene expression and cells or tissues competent for the same and methods for evolving gene delivery vectors. Larocca, David, et al. 435/5; 435/6 435/7.1 C12Q001/70 C12Q001/68 G01N033/53.
- ☐ 4. 20020019050. 05 Apr 01. 14 Feb 02. Compositions and methods for helper-free production of recombinant adeno-associated viruses. Gao, Guangping, et al. 435/456; 435/235.1 C12N015/861 C12N007/01.
- ☐ 5. 20010039044. 21 Mar 01. 08 Nov 01. Helper virus-free AAV production. Ferrari, Forrest K., et al. 435/235.1; C12N007/01.
- ☐ 6. 6379944. 05 Nov 99; 30 Apr 02. Mammalian cell lines expressing bovine adenovirus functions. Mittal; Suresh K., et al. 435/235.1; 435/325 435/455. C12N007/00 C12N005/10 C12N015/00 C12N007/01.
- ☐ 7. 6319716. 23 Jun 98; 20 Nov 01. Bovine adenovirus type 3 genome and vector systems derived therefrom. Tikoo; Suresh Kumar, et al. 435/471; 424/199.1 424/93.2 435/235.1 435/320.1 435/472 435/475 435/477. C12N015/181 C12N015/64.
- ☐ 8. 6287571. 02 Jul 99; 11 Sep 01. Replication-defective adenovirus human type 5 recombinant as a vaccine carrier. Ertl; Hildegund C. J., et al. 424/199.1; 424/204.1 424/233.1 435/235.1 435/320.1 536/23.72. A61K039/12 C12N015/00 C12N007/00 C07H021/04.
- ☐ 9. 6265183. 19 Dec 94; 24 Jul 01. Direct molecular cloning of foreign genes into poxviruses and methods for the preparation of recombinant proteins. Dorner; Friedrich, et al. 435/69.1; 424/199.1 424/208.1 424/232.1 435/320.1. C12P021/06 C12N015/00 A61K039/275.
- ☒ 10. 6258595. 23 Sep 99; 10 Jul 01. Compositions and methods for helper-free production of recombinant adeno-associated viruses. Gao; Guang-Ping, et al. 435/320.1; 435/239 435/325 435/455 435/466 514/44 536/23.1. C12N015/86 C12N015/00 C12N005/00 C07H021/04 A61K048/00.
- ☐ 11. 6248514. 18 Aug 98; 19 Jun 01. Methods for measuring viral infectivity. Hutchins; Beth M., et al. 435/5; 435/3 435/4 435/7.1. C12Q001/70 C12Q003/00 C12Q001/00 G01N033/53.
- ☐ 12. 6110744. 12 Nov 97; 29 Aug 00. Diminishing viral gene expression by promoter replacement. Fang; Bingliang, et al. 435/456; 435/320.1 536/23.1 536/23.5 536/23.7 536/23.72 536/24.1. C12N015/64

C12N015/34 C12N015/12.

- 
- ☐ 13. 6103244. 22 May 96; 15 Aug 00. Methods for generating immune responses employing modified vaccinia of fowlpox viruses. Dorner; Friedrich, et al. 424/199.1; 424/188.1 424/232.1. A61K039/12 A61K039/21 A61K039/275.
- 
- ☐ 14. 6093570. 07 Jun 95; 25 Jul 00. Helper virus-free AAV production. Ferrari; Forrest K., et al. 435/457; 435/320.1 435/325 435/366 435/367 435/369 435/455 435/456. C12N015/63 C12N015/64 C12N005/10 C12N015/864.
- 
- ☐ 15. 6083716. 04 Sep 97; 04 Jul 00. Chimpanzee adenovirus vectors. Wilson; James M., et al. 435/69.1; 424/93.2 424/93.6 435/320.1 435/325 435/366 435/455 435/456 536/23.72. C12P021/00 C12N015/861 C12N005/10 C07H021/04.
- 
- ☐ 16. 6080569. 25 Sep 96; 27 Jun 00. Adenovirus vectors generated from helper viruses and helper-dependent vectors. Graham; Frank L., et al. 435/235.1; 435/320.1 435/440 435/455 435/457. C12N007/00 C12N015/63 C12N015/09 C12N015/83.
- 
- ☐ 17. 6040183. 07 Jun 95; 21 Mar 00. Helper virus-free AAV production. Ferrari; Forrest K., et al. 435/457; 435/320.1 435/369. C12N015/86.
- 
- ☐ 18. 6019978. 03 Dec 97; 01 Feb 00. Replication-defective adenovirus human type 5 recombinant as a vaccine carrier. Ertl; Hildegund C. J., et al. 424/199.1; 424/204.1 424/233.1 435/235.1 435/320.1 536/23.72. A61K039/12 C12N015/00 C12N007/00 C07H021/04.
- 
- ☐ 19. 6017734. 30 Jan 97; 25 Jan 00. Unique nucleotide and amino acid sequence and uses thereof. Summers; Max D., et al. 435/69.7; 435/320.1 435/348 435/365 435/91.4 536/23.1 536/23.72 536/24.1. C07H021/00 C12N005/10 C12N015/33 C12N015/63.
- 
- ☒ 20. 5998205. 01 Aug 97; 07 Dec 99. Vectors for tissue-specific replication. Hallenbeck; Paul L., et al. 435/325; 424/93.21 435/320.1 435/455 435/69.1 514/44 536/23.1. C12N015/00.
- 

Generate Collection

Print

Terms	Documents
l1 and e4	21

[Previous Page](#)

[Next Page](#)